

001799586/7  
DIALOG(R) File 351:DERWENT WPI  
(c)1999 Derwent Info Ltd. All rts. reserv.

001799586

WPI Acc No: 77-20553Y/197712

Alkaline battery (dis)charge improving agent - of quaternary ammonium salt contg. benzyl gp. added to anode mass and /or electrolyte

Patent Assignee: MATSUSHITA ELEC IND CO LTD (MATU )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
JP 50091728	A	19750722					197712 B

Priority Applications (No Type Date): JP 73143154 A 19731219

Abstract (Basic): JP 50091728 A

Benzyl group-contg. quat. ammonium salt is added to anode active mass and/or electrolytes in alk. batteries. The additive improves the charging and discharging characteristics of batteries and extends their service life.

For example, 3.0% dodecyl dimethylbenzylammonium chloride was added to a Ni-Zn alk. battery electrolyte (30% KOH). The service life of the battery was by a factor of >2 greater than that of a battery without the additive.

Derwent Class: E14; L03; X16

International Patent Class (Additional): H01M-000/00

*n-alkyl dimethyl benzyl NH<sub>4</sub>Cl*

*dodecyl*  
*12*

*12-16 c*